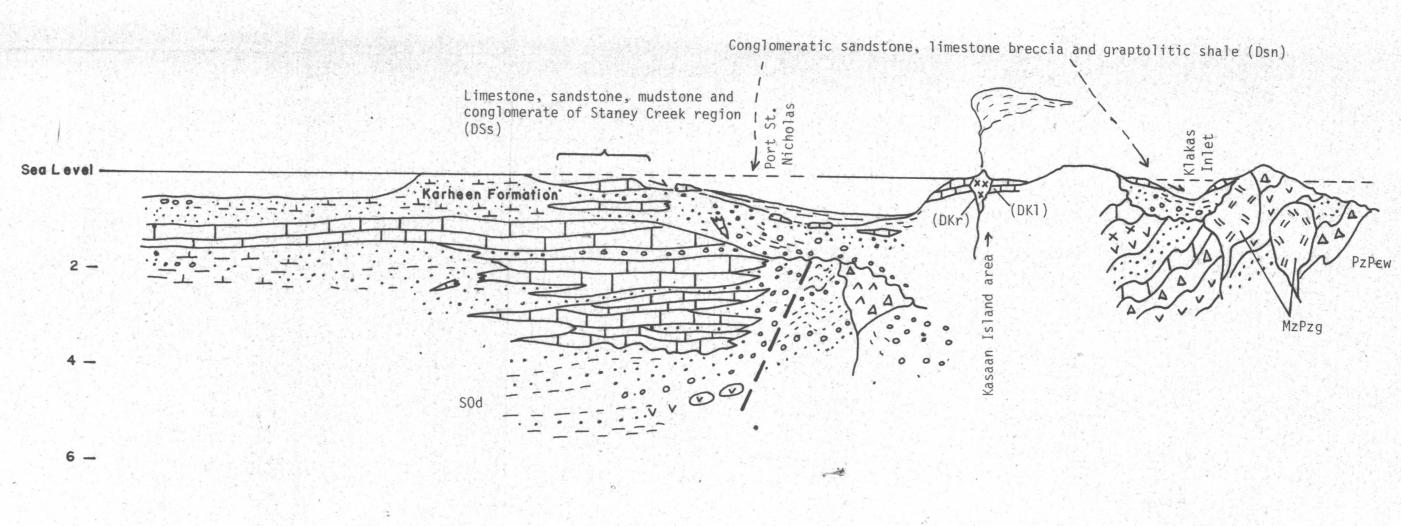


## B-LATE SILURIAN

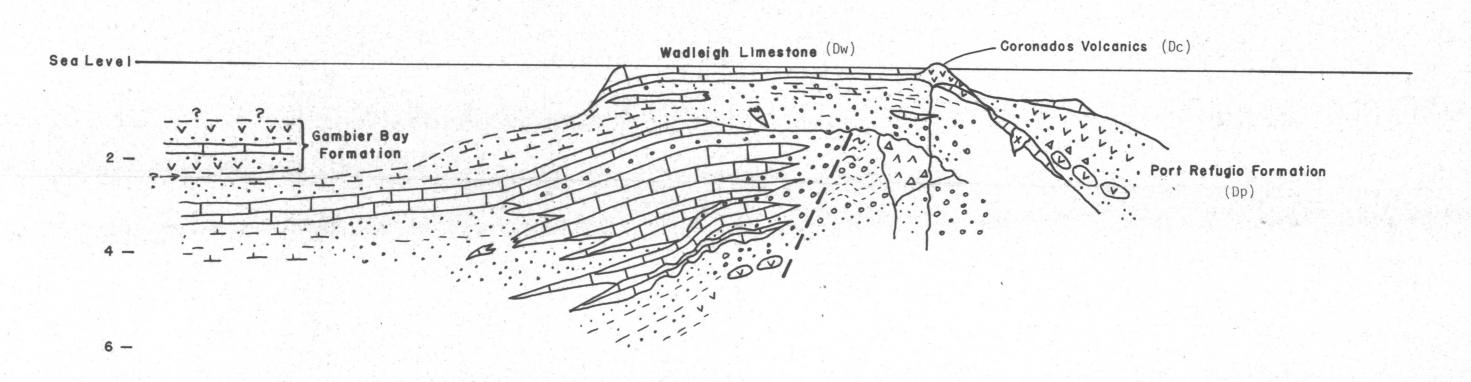
6km -

From Early Silurian through Late Silurian time, continued shoaling resulted in volcanic islands mantled by thick wedges of volcanic red-bed conglomerate and sandstone (DSs) that intertongued with fringing carbonate bank and reef deposits Heceta Limestone (Sh). Farther offshore, deeper water, volcanic-rich turbidites (SOJ) were succeeded by limestone by the end of the Silurian. The hypothetical fault shows uplift of a Descon Formation's volcanic center, producing wedges of volcanic details in Heceta Limestone and the absence of Heceta at Chair and fauther south detritus in Heceta Limestone and the absence of Heceta at Craig and farther south.



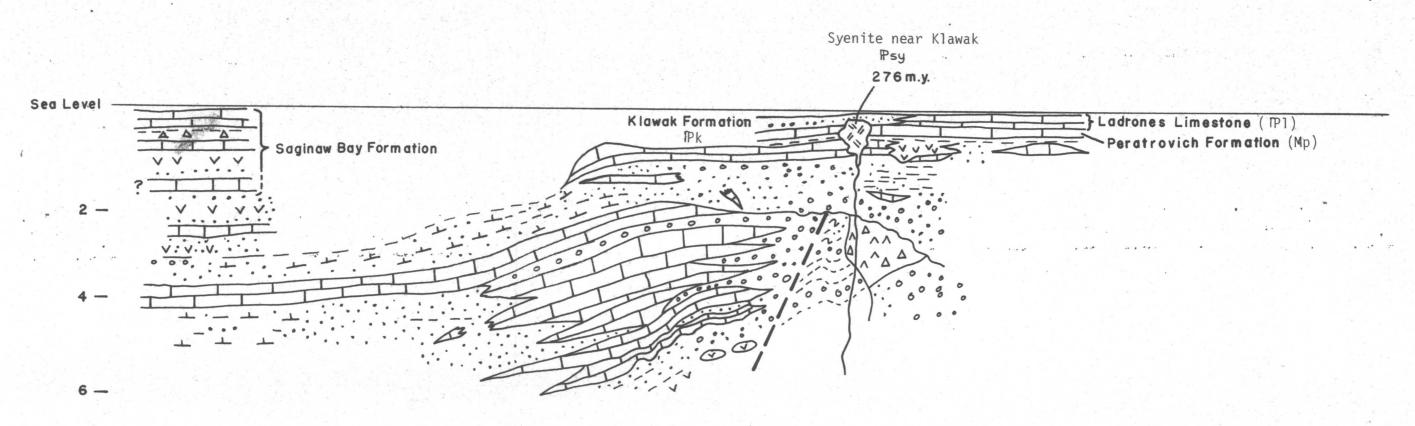
## C-EARLY DEVONIAN 8 km -

Uplift and deep erosion of earlier volcanic-arc assemblages in the south were followed by deeper water deposition of graptolitic shale, turbidite, and conglomerate-breccia (Dsn) rich in reworked shelly fossils (olistostromes). In northern area, intertidal and beach deposits of red-bed mudstone and sandstone Karheen Formation (Dk) were deposited conformably on Silurian Heceta Limestone (Sh). Rhyolite tuff (DKr) was interlayered with biogenic limestone (DK1) on Kasaan Island.



## D-MIDDLE AND LATE DEVONIAN 8km -

Basalt islands and submarine highs(Coronados Volcanics (Dc)) were fringed by shallow-water coral reefs and carbonate banks(Wadleigh Limestone (Dw)). Volcanic- detritus-rich turbidites(Port Refugio Formation (Dp)) were deposited in deeper summit or forearc basins.



## E-LATE CARBONIFEROUS 8km -

Shallow-water biogenic reef and carbonate-bank deposits--Peratrovich Fm (Mp) and Ladrones Limestone (Pl)--covered earlier volcaniclastic beds of Porto Refugio Formation (Dp) and Wadleigh Limestone (Dw). Sandstone, mudstone, conglomerate and minor limestone of Klawak Formation (Pk) developed north of purer limestone bank deposits of Ladrones (PI).

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.